WHAT IS CLAIMED IS:

1. An antenna, comprising:

a converger, including a conductor which converges a magnetic flux of an electromagnetic wave; and

a converter, which coverts the converged magnetic flux into voltage.

2. The antenna as set forth in claim 1, wherein:

a through hole into which the magnetic flux is converged is formed at a center portion of the conductor; and

a cutout is formed so as to extend from a part of the through hole to an outer periphery of the conductor.

3. The antenna as set forth in claim 2, wherein the converger includes a resistance reducer provided on at least a peripheral portion of the conductor to reduce resistance against current flowing in the conductor.

4. The antenna as set forth in claim 2, wherein the conductor plate is composed of a plurality of sub-plates.

5. The antenna as set forth in claim 1, wherein the converter is provided as a coil.

6. The antenna as set forth in claim 1, wherein the converter has a size which is sufficiently smaller than a wavelength of the electromagnetic wave.

7. The antenna as set forth in claim 5, wherein a winding number of the coil is two or more.

8. The antenna as set forth in claim 1, wherein the converter is formed on a semiconductor integrated circuit.

9. An antenna for communicating an electromagnetic wave, comprising:

a first converger, which converges the electromagnetic wave;

a second converger, which faces the first converger and includes a conductor plate having a through hole, into which a magnetic flux of the converged electromagnetic wave is converged, formed at a center portion thereof so as to have a size which is sufficiently smaller than a wavelength of the electromagnetic wave, and a cutout extending from a part of the through hole to an outer periphery of the conductor plate; and

a converter, which faces the through hole of the conductor plate to convert the converged magnetic flux into voltage.

10. The antenna as set forth in claim 9, wherein the second converger includes an upright conductor formed along an outer peripheral portion of the conductor plate, the through hole and the cutout, so as to extend in an orthogonal direction of a direction in which the conductor plate extends.

11. The antenna as set forth in claim 9, wherein the first converger includes a conductor plate having a slot formed at a center portion thereof and an upright conductor formed along an outer periphery of the conductor plate so as to extend in an orthogonal direction of a direction in which the conductor plate extends.

12. The antenna as set forth in claim 11, wherein each of the slot of the first converger and the outer periphery of the conductor plate of the second converger has a linear portion whose dimension is substantially a half of a wavelength of the electromagnetic wave.

sub A5

13. The antenna as set forth in claim 9, wherein the converter is provided as a coil.

14. An antenna, comprising:

a plurality of antenna elements, interconnected with each other, each antenna element including:

a converger, including a conductor which converges a magnetic flux of an electromagnetic wave; and

a converter, which coverts the converged magnetic flux into voltage.

15. The antenna as set forth in claim 14, wherein the antenna elements are interconnected such that voltages outputted from the respective converters are added.

add A6